

870-0045 THIN MICROMETERS



870-0045-02

870-0045-52

- **Designed for micro-positioning applications**
- **Stainless steel screw with hardened steel ball tip**
- **Brass threaded collar**
- **Very smooth motion allows positioning with sensitivity of 1 µm**
- **Scale 10 µm division**
- **Nominal travel 5, 10 mm**

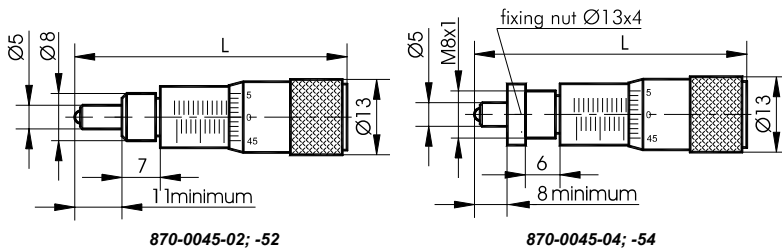
There are two types of the Thin Micrometers. They differ in their mounting method:

870-0045-02(04) has a Ø8x7 mm mounting barrel.

870-0045-52(54) can be mounted by tightening a fixing nut included on a M8x1 thread.

SPECIFICATIONS

Micrometer screw thread	M6×0.5
Sensitivity	1 µm
Scale graduation	10 µm
Pitch	0.5 mm
Way of mounting:	
870-0045-02; 52	Mounting barrel
870-0045-04; 54	Mounting sleeve with fixing nut



Code	Nominal travel, mm	L, mm	Weight, kg	Price, EUR
870-0045-02	5	46	0.02	49
870-0045-04	5	46	0.02	49
870-0045-52	10	58.5	0.03	53
870-0045-54	10	58.5	0.03	53

Complementary Products

Code	Page
860-0092	8.122
860-0096	8.124

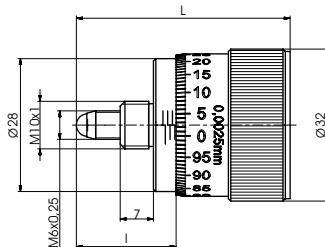


860-0092-02 with 870-0045-04 installed



860-0096 XYZ with 870-0045-02 installed

870-0050 HIGH-RESOLUTION MICROMETERS



- **Stainless steel screw with hardened steel ball tip**
- **Brass threaded collar**
- **Mounts on M10 holes**
- **Scale 2.5 µm division**
- **Nominal travel 5, 10 mm**

High-Resolution Micrometers 870-0050 provide increased reading accuracy by combining a large knob and a stainless steel screw with fine pitch of 0.25 mm. External mounting thread – M10x1.

External M10x0.5 mounting thread is available on request.

SPECIFICATIONS

Micrometer screw thread	M6×0.25
Sensitivity	0.5 µm
Scale division	2.5 µm
Axial load capacity	50 N

Code	Nominal Travel, mm	Gradation, µm	L, mm	l, mm	Weight, kg	Price, EUR
870-0050	5	2.5	40	16	0.05	61
870-0050-02	10	2.5	45	21	0.08	64



860-0210 with 870-0050 installed

Complementary Products

Code	Page
860-0210	8.136